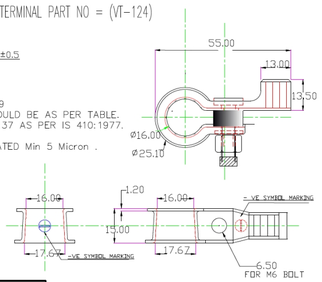
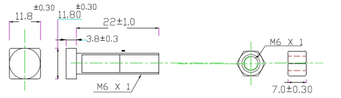
(A) TERMINAL PART NO = (VT-124)

ALL DIMENSION IN MM
Square head Bolt & M6 Nut
M6 Nut tightening torque= 4±0.5 Nm

NOTE:–
1. INNER DIA. 16.00±0.3 MM .
2. TAPER RATION SHOUD BE 1:9
3. UNSPECIFIED TOLERANCE SHOULD BE AS PER TABLE.
4. MATERIAL– BRASS CUZN 63:37 AS PER IS 410:1977.
5. THICKNESS– 1.2±0.1 MM
6. FINISHED MATERIAL –TIN PLATED Min 5 Micron .

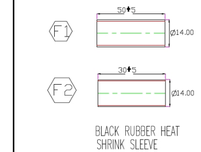


GENERAL TOLLERANCE			
10 MAX	50 MAX	100 MAX	ANGLE
±0.3	±0.5	±0.8	±0.30'



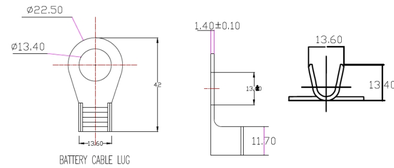
SQUARE HEAD BOLT M6 X 1
Material:– S15 C of JIS G4051 carbon steel White Zinc plated

M6 NUT HEX–7mm



BLACK RUBBER HEAT SHRINK SLEEVE

(B) TERMINAL PART NO:– VT-805



BATTERY CABLE LUG

GENERAL TOLLERANCE			
10 MAX	50 MAX	100 MAX	ANGLE
±0.3	±0.5	±0.8	±0.30'

(BRASS CuZn37 ANNEALED,HARDNESS 80–90 HV)

COLOUR CODE	WIRE COLOUR
B	BLACK
G	GREEN
L	BLUE
O	ORANGE
R	RED
W	WHITE
Y	YELLOW
Br	BROWN
Lg	LIGHT GREEN
Gr	GREY
V	VIOLET

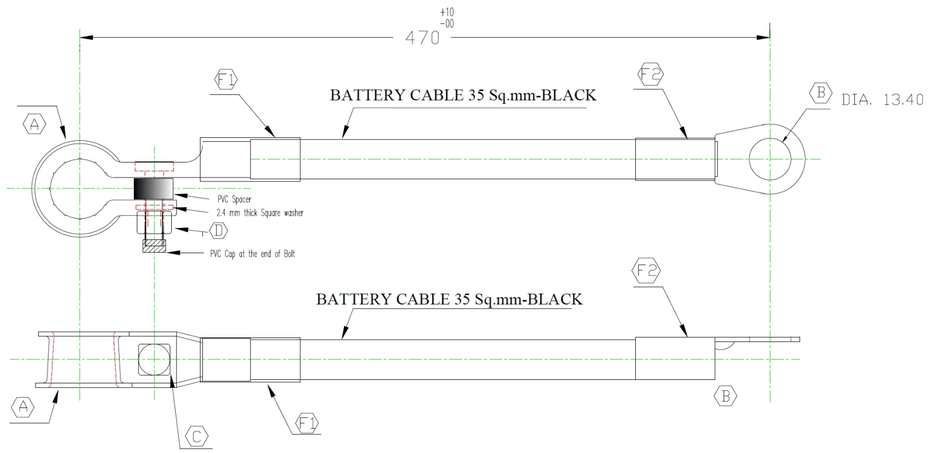
NOMINAL SIZE	CORE CONSTRUCTION (NO./MM)		INSULATION THICKNESS (MM)		OUTER DIA (MM)	
					MIN	MAX
35.00	276/.40		1.20		8.50	8.90

SYMBOLS	
	FULL TAPING
	SPIRAL TAPING
	VIS TUBE
	COMPRC. TUBE
[DIA]	REFERANCE DIMENSION
[A]	MAIN DIMENSION
(C)	COT TUBE 5mm ID
(C)	COT TUBE 7mm ID
(C)	COT TUBE 10mm ID
(C)	COT TUBE 13mm ID
(C)	COT TUBE 15mm ID
(C)	VIS TUBE 6mm ID
(C)	VIS TUBE 8mm ID
(C)	VIS TUBE 9mm ID
(C)	VIS TUBE 11mm ID
(C)	VIS TUBE 12mm ID
	SPLICE

NOTES:–
1) ALL VIEWS ARE FROM CABLE ENTER SIDE
2) ALL DIMENSION ARE FROM REAR END OF CONNECTOR & CENTER FROM RING TERMINAL
3) ALL DIMENSION ARE IN MM
4) ALL MAIN DIMENSION ARE FROM BRANCH TO BRANCH
5) ALL WIRES AS PER IS 2465 STANDARD.
6) FOR FULL TAPPING USE 18 mm BLACK ADHESIVE TAPE
7) POINT TAPING ON COT TUBE AT A DISTANCE APROX 150 MM TO BE PROVIDE.
8) POINT TAPING TO BE DONE ON CORRUGATED TUBE ENDS.

SPECIFICATION FOR BATTERY CABLE ASSY.

1.Conductor resistance :– 0.000554 OHMS/M.
2.Maximum Start time Current:
5 Min 210 A
3 Min 250 A
2 Min 300 A
1 Min 350 A
3.Pull Out Load Min.:– 80 Kg.
4.Terminal As per JIS–5403.



CABLE DETAILS

NOMINAL SIZE (Sq.MM)	ANNEALED COPPER STRANDED COUNDUCTOR			INSULATION(PVC) IS:5831 TYPE 'A' COLOUR BLACK		
	CONSTRUCTION (NO./MM)	CALCULATED AREA (NO./MM)	OUTERDIA (NO./MM)	OVERALL DIA IN MM STANDARD	MAXIMUM	THICKNESS
35.00	276/.40	35.00	8.70	11.20	11.40	1.20

ALL DIMENSION ARE IN MM.
✳ Ref. Drawing No. 007700330C2 Rev.AD

REV	DATE	DETAILS
01	15/06/23	A SIDE SHEET METAL TRML CHANGED FROM VT–818 TO VT–124, HST SLEEVE CHANGED FROM PVC TO RUBBER & END LUG DIP SOLDERING REMOVED.
00	02/06/17	NEW RELEASE

VI-SON Wires & Cables — An ISO / IATF 16949 Certified Co.
VI-SON WIRES PVT. LTD.
NAVNIT SHAH INDL. ESTATE, PLOT NO.–2, VILLAGE DADRA,DADRA & NAGAR HAVELI.

CUSTOMER:– MAHINDRA & MAHINDRA LTD.
CUST P/NO.: 007705508U91
MODEL:– TRACTOR
DESCRIPTION :– CABLE BATTERY TO EARTH

APPROVED BY	PANKAJ S.	
CHECKED BY	KIRTI P.	
DRAWN BY	SHUVAM D.	
DATE	15/06/23	SIGN.

THIS PRINT IS THE PROPERTY OF VI–SON WIRES PVT. LTD AND MUST BE RETURN UPON REQUEST. THIS PART MUST NOT BE SOLD TO ANY OTHER CONCERN.

VI–SON PART NO.
007705508U91

SHEET: 1 OF 2 SIZE: A4

THIS DRG. IS THE PROPERTY OF VI–SON WIRES PVT. LTD. DADRA. IT SHOULD NOT BE COPIED OR REPRODUCED IN ANY FORM WITHOUT THE WRITTEN APPROVAL OF PROPRIETORS.

ER2310000037	AA		AS PER SUPPLIER REV. 01	NKP	NKP	NVC	21/06/23
E.R.NO.	LET	LOC	REVISIONS	DSNR	CKR.	APPR.	DATE

<SC> :SIGNIFICANT CHARACTERISTICS ▽:CRITICAL CHARACTERISTICS

BREAK SHARP CORNERS MAY BE EITHER A CHAMFER OR A RADIUS FROM 0.2 mm MIN. TO 1.0 mm MAX.

UNSPECIFIED TOLERANCES AS PER ISO-2768-1:1989

DIMENSIONS

LINEAR IN mm.		OVER	0.5	3	6	30	120	400	1000	2000
		UPTO	3	6	30	120	400	1000	2000	4000
f	FINE	(X.XXX)	± 0.05	± 0.05	± 0.1	± 0.15	± 0.2	± 0.3	± 0.5	-
m	MEDIUM	(X.XX)	± 0.1	± 0.1	± 0.2	± 0.3	± 0.5	± 0.8	± 1.2	± 2
c	COARSE	(X.X)	± 0.2	± 0.3	± 0.5	± 0.8	± 1.2	± 2	± 3	± 4
v	VERY COARSE	(X)	-	± 0.5	± 1	± 1.5	± 2.5	± 4	± 6	± 8

ANGULAR IN deg.		OVER	-	10	50	120	400
		UPTO	10	50	120	400	-
f	FINE	(X.XXX)	± 1°	± 0° 30'	± 0° 20'	± 0° 10'	± 0° 5'
m	MEDIUM	(X.XX)					
c	COARSE	(X.X)	± 1° 30'	± 1°	± 0° 30'	± 0° 15'	± 0° 10'
v	VERY COARSE	(X)	± 3°	± 2°	± 1°	± 0° 30'	± 0° 20'

LENGTH OF SHORTER SIDE OF THE ANGLE IN mm.

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COMPUTER GENERATED DRAWING | DO NOT CHANGE MANUALLY
IF IN DOUBT, ASK | DO NOT SCALE | DRG SIZE : A2

MAHINDRA & MAHINDRA LIMITED
TRACTOR DIVISION
KANDIVLI(EAST), MUMBAI 400 101, INDIA.

E.R. / PROC.REQ.NO : ER18C0005268
PART NO. : 007705508U91

PART NAME :
BATTERY CABLE NEGATIVE

MATERIAL : ----------
HEAT TREATMENT : ----------

	NAME	SIGN	DATE
CAD ENGG.	SS		08/06/2017
DESIGNER	VSB		08/06/2017
CHECKER	CM		08/06/2017
APPR.BY	SP		08/06/2017

FIRST USED TRCR. MODEL: MSTAR P-II
SCALE NTS
SHEET 1 OF 1
UNIT QTY. : 1
WT : -------- kg.

ALL DIMENSIONS ARE IN mm. | CHECK DRG WITH LATEST CHANGE No